

ABSTRACT

5           Disclosed is a system and circuit for a multi-channel optoelectronic device  
driver. The system and circuit include a differential buffer amplifier, an output  
driver amplifier, a dedicated voltage regulator, a load compensation circuit, a  
wave shaping circuit and a laser fault detection circuit. In a multi-channel  
configuration, each channel has a dedicated voltage regulator such that each  
10 channel provides a channel-specific drive signal.